

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR2004/001282

## A. CLASSIFICATION OF SUBJECT MATTER

**IPC7 H01Q 9/04**

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01Q 9/04 ; 1/38 ; 5/01

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
KR, JP : IPC as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
PAJ, FPD, USPAT, KIPONET, Delphion

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2002/0122005 A1 (Lebaric et al.) 5 Sep. 2002 See the page 4[0062]-page 5[0073] and Fig. 3-4	1
A	EP 0 757 405 A1(NOKIA MOBILE PHONE LTD.) 5 FEB. 1997 See the whole document and Fig. 1-4	1
A	JP 2002-185238 A(SONY CORP) 28 Jun. 2002 See the abstract and Fig. 1	1

Further documents are listed in the continuation of Box C.

See patent family annex.

\* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

09 SEPTEMBER 2004 (09.09.2004)

Date of mailing of the international search report

09 SEPTEMBER 2004 (09.09.2004)

Name and mailing address of the ISA/KR



Korean Intellectual Property Office  
920 Dunsan-dong, Seo-gu, Daejeon 302-701,  
Republic of Korea

Faxsimile No. 82-42-472-7140

Authorized officer

JEON, Ki Eock

Telephone No. 82-42-481-5169



# INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2004/001282

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0757405 A1	1997-02-05	DE 69624300 D1 GB 2303968 A JP 9107230 A US 6130650 A	2002-11-21 1997-03-05 1997-04-22 2000-10-10